



F/A-18E/F Integrated Readiness Support Teaming (FIRST)

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F/A-18 Integrated Readiness Support Teaming (FIRST)

- ◆ Unique USN/Industry partnership to improve fleet support and lower support costs
- ◆ Affordable lifetime Super Hornet support through reliability improvement, obsolescence management and technology insertion



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FIRST Vision: Affordable Readiness

- ◆ Develop and implement an F/A-18E/F support plan that will achieve and sustain CNO readiness goals and provide significant reductions in weapon system ownership cost through:
 - Government/industry partnership
 - Supply chain management
 - Reliability engineering/improvement
 - Integrated information systems
 - Hornet support network
 - Performance based contracting

20% cost avoidance goal in F/A-18E/F ownership costs



USN/Industry Partnership

**Industry
Reliability
Improvement**

**NADEP
Repair
Expertise**

**USN
Program
Management**

**Industry
Supply Chain
Management**

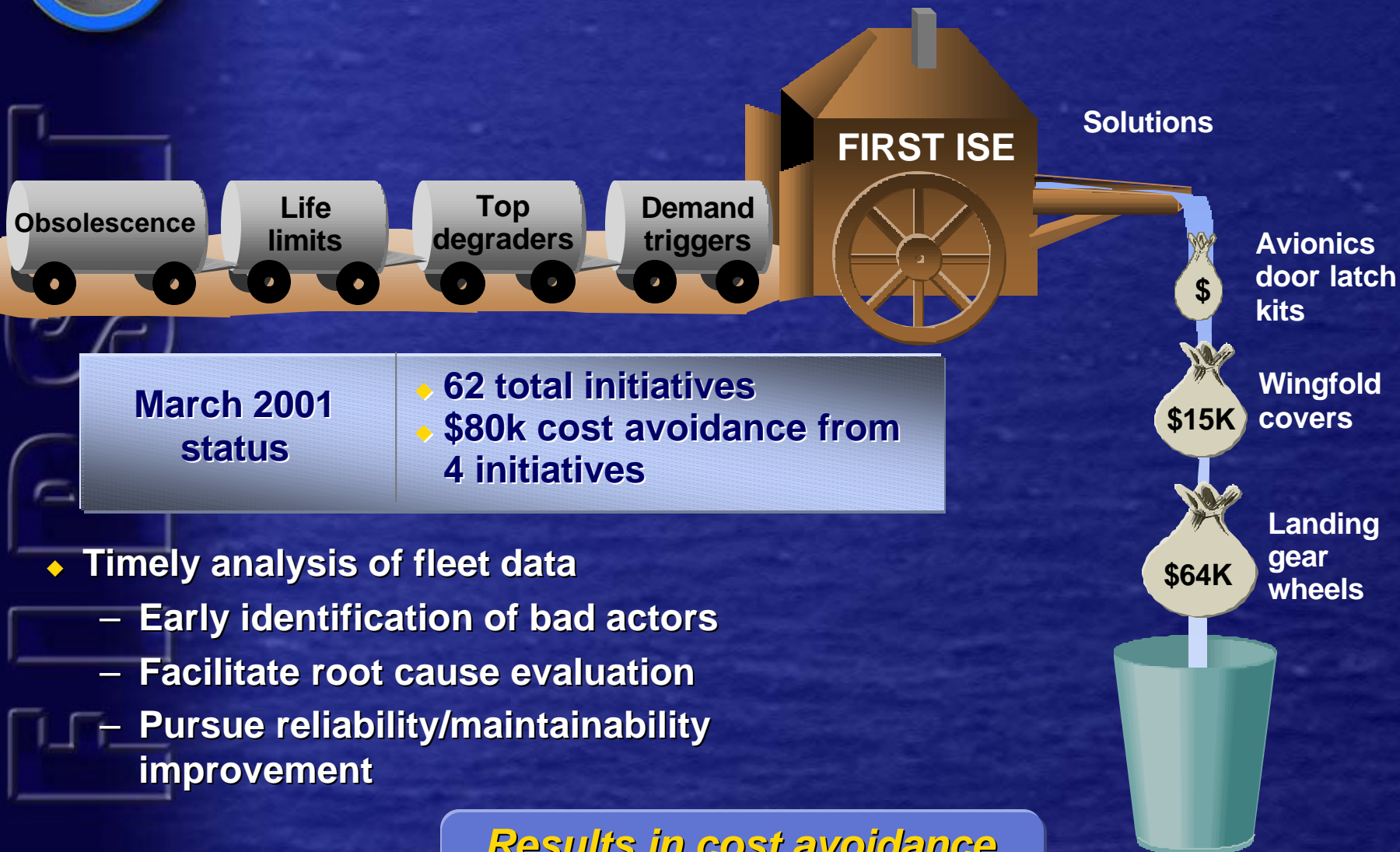
**Performance
Based
Contracting**

**Warfighter
Focus**

- ◆ Improved readiness
- ◆ Improved mission capability
- ◆ Reduced product support costs
- ◆ Life cycle product management



Reduced Product Support Costs



**March 2001
status**

- ◆ 62 total initiatives
- ◆ \$80k cost avoidance from 4 initiatives

- ◆ Timely analysis of fleet data
 - Early identification of bad actors
 - Facilitate root cause evaluation
 - Pursue reliability/maintainability improvement

***Results in cost avoidance
(Reliability/Maintainability metric)***



Supply Chain Management



- ◆ Leveraged commercial capacity
- ◆ Suppliers as partners
- ◆ Production concurrency

- ◆ Improved fleet material availability
- ◆ Total asset visibility
- ◆ Commercial transportation
- ◆ Goal: right part, right place, right time



Improved material availability = Improved readiness



Life Cycle Product Management

◆ Current Trends

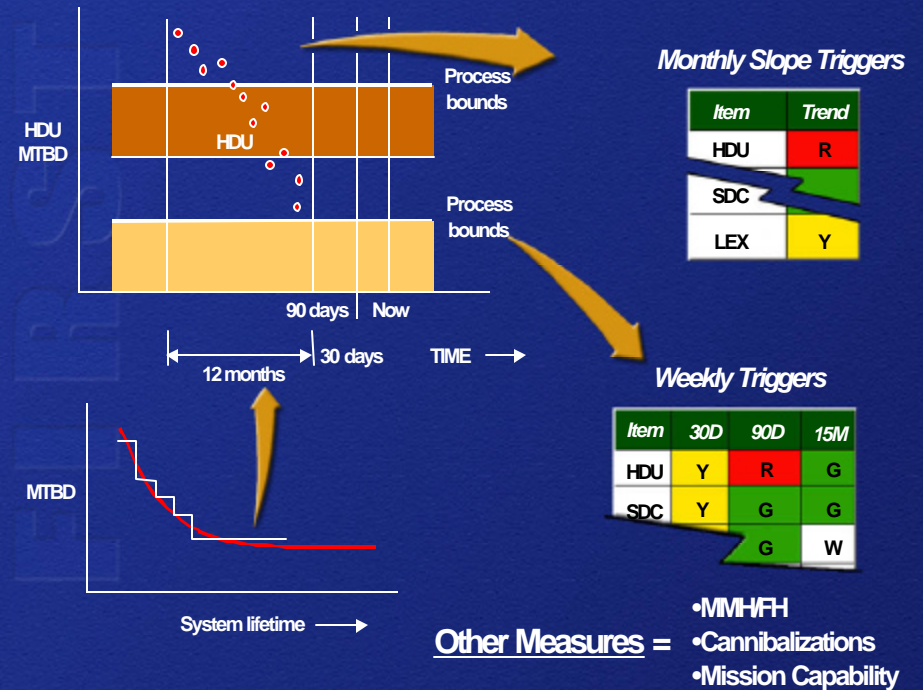
- Aging systems
- Deferred modernization
- Rising cost of ownership

◆ Improvement opportunities

- In-service engineering
- Technology insertion
- Obsolescence management
- Cost management



Supportability Analysis - USN Fleet Maintenance Data Assessment



Total ownership cost reduction



Integrated Information Systems

- ◆ Single integrated systems architecture - Government/Industry
- ◆ Supports improved government/Industry integration
- ◆ Provide tools to facilitate and manage:
 - Total asset visibility
 - Obsolescence
 - Reliability improvement
 - Transportation
 - Logistics system performance
 - Seamless data transfer
 - Single point data entry

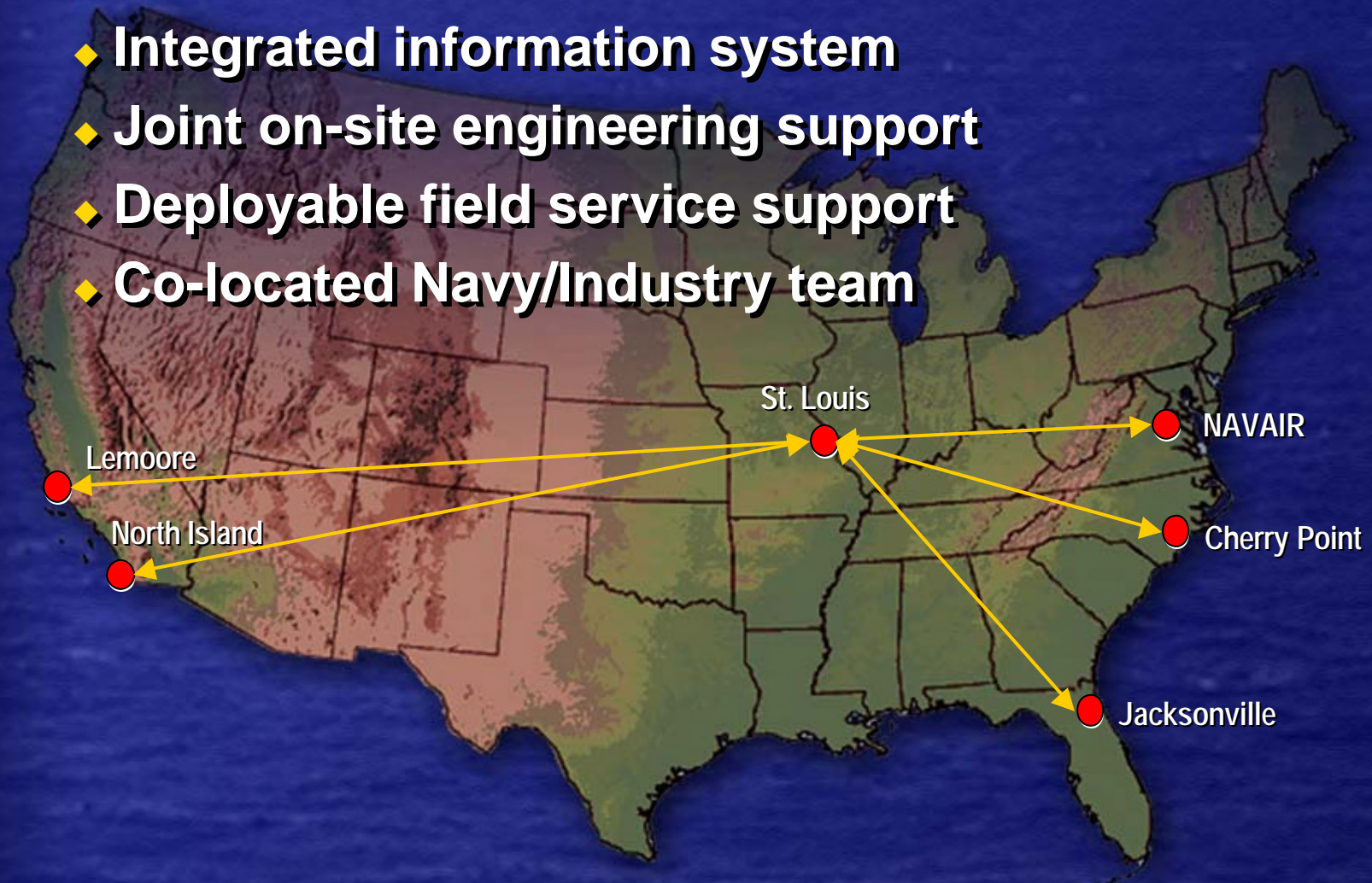


Key to situational awareness



Hornet Support Network

- ◆ Integrated information system
- ◆ Joint on-site engineering support
- ◆ Deployable field service support
- ◆ Co-located Navy/Industry team





Performance Based Contracting

- ◆ Performance focused on warfighter requirements
- ◆ Team focus on sustained weapon system reliability and availability
- ◆ Reduced operation and support costs built on performance guarantees
- ◆ Combined strength of both Government and Industry

Improved weapon system availability



Performance Requirements

Supply fill rate
aircraft on
ground < 48 hrs

Partially mission
capable supply
<120 hrs

Routine <288 hrs

Cost

Aircraft carrier
stock effectiveness

***Affordable
Readiness***

Reliability/
maintainability
improvement

Customer
service
response time

Total asset visibility

Managed - Measurable team performance



Improved readiness and Mission Capability

- ◆ In the Five Months Since Contract Award
 - Full Mission Capable Rates for:
 - ◆ F/A-18E aircraft have remained steady
 - ◆ F/A-18F aircraft have seen approx 15% improvement
 - Material Availability has improved by over 50%
 - Response to Fleet Requests for Help/Information has Met or Exceeded the Team Goals
 - Performing Under Cost

***Improved Performance at
Less Cost***

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Value for the Fleet

- ◆ Innovative lifetime F/A-18 support solution
- ◆ Focused on affordable readiness
 - Significant reduction in weapon system ownership cost
- ◆ Designed to meet USN Readiness Goals
- ◆ Improved reliability
 - Technology insertion
- ◆ Managed obsolescence
- ◆ Meets requirements of USC Title 10



Meeting customer requirements



FIRST – A Partnership for the Future of Naval Aviation

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Backup



Phased Implementation Approach

FY 00-02

- FIRST Planning Complete
- Contract Award Feb 2001
- Transition to FIRST Operations
- F/A-18E/F Unique Material Support
- First Carrier Deployment

FY 03-04

- F/A-18E/F FIRST Total A/C Support
- Performance Assessment
- F/A-18A-F FIRST Planning
- F/A-18E/F Multiple Carrier Deployments

FY 05 and Beyond

FIRST Domestic and FMS Support Approach for F/A-18A-F Includes

- USN / Industry Partnership
- Supply Chain Mgmt
- Enhanced Supportability
- Obsolescence Mgmt
- Reliability Growth
- Material Modifications



Future Opportunities

- ◆ Expand Material Coverage to include ALL F/A-18E/F Platform Components (less engine)
- ◆ Expand Coverage to include all F/A-18 models A-F
- ◆ Expand to include FMS Models (E/F Released for FMS sales June 2001)
 - Malaysia
 - Kuwait
 - Swiss
 - Finland
 - Spain
 - Australia
 - Canada
 - England

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